Docket No.:   HI-0065   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of   :
                                                      :
Jae Wook SONG   :
                                                      :
Serial No.: New U.S. Patent Application   :   Group Art Unit: Unassigned
                                                      :
Confirm. No.: Unassigned   :   Examiner: Unassigned
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Filed: December 28, 2001   :

For: APPARATUS AND METHOD FOR SYNCHRONIZING FRAME AND
        DETECTING CODE GROUP/NUMBER

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

        Prior to initial examination on the merits, please amend the above-identified application

as follows:

IN THE CLAIMS:

        A.   Please amend claims 6, 11, 15 and 16 as follows:

Amended Claims With Mark-ups to Show Changes Made

6.   (Amended)   The apparatus of claim 4 [or claim 5], wherein the (On time energy)/α is a standard value for preventing degradation of the slew detector that is caused by noises mingled with a receiving signal.

11.   (Amended)   The method of claim 8 [or claim 19], wherein the code number detection is accomplished by using the slew values through the time offset detection and the outputted values from the multiplexer.

15.   (Amended)   The method of claim 10, [or 13, or 14,] wherein the step of detecting frame synchronization and code groups by using the slew values through the time offset and the outputted values from the multiplex that are saved, the slew values are information to manifest which despreader generates the energy used for the frame synchronization and code group detection.

16.   (Amended)   The method of claim 11 [or 15], wherein the step of detecting code numbers by using the slew values through the time offset and the outputted values from the frame synchronization and code group detector, the slew values are +, - timing information that is derived by summing the slew values of each case.

Clean Set of Amended Claims

6.   (Amended)   The apparatus of claim 4, wherein the (On time energy)/α is a standard value for preventing degradation of the slew detector that is caused by noises mingled with a receiving signal.

11.   (Amended)   The method of claim 8, wherein the code number detection is accomplished by using the slew values through the time offset detection and the outputted values from the multiplexer.

15.   (Amended)   The method of claim 10, wherein the step of detecting frame synchronization and code groups by using the slew values through the time offset and the outputted values from the multiplex that are saved, the slew values are information to manifest which despreader generates the energy used for the frame synchronization and code group detection.

16.   (Amended)   The method of claim 11, wherein the step of detecting code numbers by using the slew values through the time offset and the outputted values from the frame synchronization and code group detector, the slew values are +, - timing information that is derived by summing the slew values of each case.

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REMARKS

Claims 1-17 are pending. Claims 6, 11, 15 and 16 have been amended to eliminate the multiple dependency.   Prompt examination and allowance in due course are respectfully solicited.

Respectfully submitted,
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